

AMENDMENTS TO THE SPECIFICATION

Replace the paragraph beginning on page 8, line 15 with:

In this way, the optical transmission module in accordance with the first embodiment uses two kinds of DOE lenses 4 and 5 consisting in diffractive optical elements having wavelength selectivity in place of ordinary lenses and couplers. These DOE lenses 4 and 5 have lens action for light of a particular wavelength and acts as a parallel plane plate for light of a particular wavelength different from that wavelength. Specifically, the DOE lens 4 for 1.3 μ m acts as a lens for light 7 of 1.3 μ m, which is the oscillation wavelength of laser diode 2, and acts as a parallel plane plate for light 8 of 1.55 μ m, which is the wavelength to be received by photodiode 3. On the other hand, the DOE lens ~~4~~5 for 1.55 μ m acts as a parallel plane plate for light 7 of 1.3 μ m, which is the oscillation wavelength of laser diode 2, and acts as a lens for light 8 of 1.55 μ m, which is the wavelength to be received by photodiode 3.

Replace the paragraph beginning on page 29, line 14 with:

As shown in Fig. 15, an optical transmission module in accordance with the eighth embodiment uses a reflection-type DOE 20 (DOE mirror). In the reflection-type DOE 20, a DOE mirror 21 for 1.3 μ m is formed on one part (on the optical fiber side) of a plate made of an optical material, and a DOE mirror 22 for 1.55 μ m is formed on another part (on the diode side). Both DOE mirrors 21 and 22 consist ~~in~~of a lens-shaped diffraction grating with reflective coatings on the plate. DOE mirrors ~~1~~21 and 22 have diffraction action for light of one wavelength and have parallel reflection action for another wavelength. Substantially, these mirrors have the similar functions as the DOE lenses 4 and 5 in the first embodiment.